(c) and (d) Instructions exist as to the supply of only approved appliances by LPG distributors to consumers. ISI specifications exist with regard to LPG Stoves, Rubber Tubes, Cylinders, Valves and Regulators. The Oil Industry has a proposal to insist on the use by the consumer only ISI approved rubber tubes while releasing LPG connections.

Scheme to Meet the Shortage of power

2073. SHRI T. CHANDRASEKHAR REDDY: Will the Minister of ENERGY be pleased to state:

(a) whether it is a fact that Government have formulated a comprehensive scheme to meet the shortage of power in the country by the end of the Seventh Five Year Plan period;

(b) if so, what are the details thereof;

(c) the names of the States which are having shortage of power at present and what is the percentage of shortage; and

(d) the names of the States which are having sufficient power to meet their requirements?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) and (b) A number of measures have been initiated to bringe the gap between supply and demand. These include accelerated commissioning of ongoing projects, improvement in the Plant Load Factor throuch a renovation and modernisation scheme, reduction in the stabilization period of new thermal units, undertaking addition of short gestation capacity, reduction of transmission and distribution losses, energy conservation, setting up of Power Finance Corporations.

(c) and (d) During February, 1986, the All India power shortage was about 7.2 per cent. During February, 1986, there were power shortages of varying degrees in Haryana, Jammu & Kashmir, Rajasthan, and Uttar Pradesh in the Northern Region. Karnataka and Tamil Nadu in the Southern Region. Bihar, DVC, West Bengal and Orissa in the Eastern Region and in the North-Eastern Region. Other States *e.g.* Himachal Pradesh, Delhi and Punjab in the Northern Region, Gujarat, Madhya Pradesh and Maharashtra in the Western Region. Andhra, Pradesh and Kerala in the Southern Region were able to meet their energy requirements, by and large, or had marginal deficits.

Projects ear-marked for Generation of Electricity

2074. SHRI C. HARIDAS: Will the Minister of ENERGY be pleased to state:

(a) the amount and the projects ear-marked for generation of electricity in the Seventh Five Year Plan period; and

(b) the number of projects to be implemented in Kerala, with the total costs, the amounts for each and the period of completion?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) The allocations for the Power Sector in the Seventh Plan is about Rs. 34,273 crores and the capacity addition envisaged is 22,245 MW. Out of this, major projects (100 MW and above) are indicated in the Statement enclosed.

(b) A capacity addition of 530 MW is envisaged in Kerala during the Seventh Plan period from the following projects:

Sl. No.	Project	Estimated Cost (Rs. Crores)	Approved outlay in VII Plan (Rs. Crores)	Benefit in the Seventh Plan (MW)
1	Idamalayar (2×37·5 MW)	70	..	75
2	Idukki St. II (3×130 MW)	80	25·47	390
3	Kakkad (2×25 MW)	50	28·22	50
4	Kallade (15 MW)	12·5	10·81	15

Statement

Benefits from Generation Schemes during Seventh Five Year Plan

Sl. No.	Scheme	Benefits (MW)
1	Panipat Thermal Station Stage-II	220
2	Panipat Thermal Station Stage-III	210
3	Bhabha H.E. Scheme	120
4	Mukerian H.E. Scheme	162
5	Roper Thermal Station Stage-II	420
6	Anandpur Sahib H.E. Scheme	134
7	Kota Thermal Station Ext.	210
8	Mahi H.E. Scheme	140
9	Maneri Bhali H.E. Scheme Stage-II	304
10	Anpara 'A' Thermal Station	630
11	Tanda Thermal Station	440
12	Unchahar Thermal Station	420
13	Salal H.E. Scheme	345
14	Chamera H.E. Scheme	180
15	Singrauli Super Thermal Stn. Stage-I PH-II	1000
16	Rihand Super Thermal Station	1000
17	Narora Atomic Power Project	470
18	Kadana Pumped Storage H.E. Scheme	120
19	Wanakbori Thermal Station Ext.	630

Sl. No.	Scheme	Benefit (MW)
20	Sikka Thermal Station	120
21	Gandhi Nagar Thermal Station Ext.	210
22	Hasdoe H.E. Scheme	120
23	Korba West Thermal Station Ext.	210
24	Sanjay Gandhi (Birsinghpur) Bhermal Station	210
25	Bansagar H.E. Scheme	210
26	Chandrapur Thermal Station Ext.	420
27	Urban Gas Station Ext.	324
28	Khaperkheda Thermal Station Ext.	420
29	Parli Thermal Station Ext.	210
30	Uran Gas Turbine Station Unit No. 8	108
31	Pench H.E. Scheme	160
32	Korba Super Thermal Station	500
33	Korba Super Thermal Station Ext.	1000
34	Vindhyachal Super Thermal Station	1260
35	Nagarjunasagar H.E. Scheme Stage-II	100
36	Srisailam H.E. Scheme Stage-II	330
37	Vijayawada Thermal Station Ext.	210
38	Varahi Canal H.E. Scheme	239
39	Supa Dam H.E. Scheme	100
40	Raichur Thermal Station	210
41	Idukki H.E. Scheme Stage-II	390
42	Kadamparai H.E. Scheme	400
43	Lower Mettur H.E. Scheme	120
44	Mettur Thermal Station	420
45	Mettur Thermal Station Ext.	210
46	Tuticorin Thermal Station Ext.	210
47	Ramagundam Super Thermal Station Ext.	1000
48	Neyveli 2nd Mine Cut Thermal Station	630
49	Neyveli 2nd Mine Cut Thermal Station Ext.	210
50	Kalpakkan Atomic Power Project Unit-2	235
51	Patratu Thermal Station Unit-10	110
52	Muzaffarpur Thermal Station Unit-2	110
53	Tenughat Thermal Station	210

Sl. No.	Scheme	Benefit (MW)
54	Upper Kolab H.E. Scheme	240
55	Rengali H.E. Scheme	100
56	Rengali H.E. Scheme Ext.	100
57	Kolaghat Thermal Station	420
58	Kolaghat Thermal Stn. Extension	210
59	D.P.L. Thermal Station Extesion	110
60	Bokaro 'B' Thermal Station.	210
61	Bokaro 'B' Thermal Station Extension	420
62	Farakka Super Thermal Station Stage-I	630
63	Lower Borpani Hydro Electric Scheme.	100
64	Kopili Hydro Electric Scheme	100

Collaboration for Oil Exploration

2075. SHRI MUKHTIAR SINGH MALIK: Will the Minister of PETROLEUM AND GAS be pleased to state:

(a) the number and the names of the foreign countries with whom collaboration has been made by Government during the last three years in the field of oil exploration and production;

(b) the terms of each collaboration; and

(c) how far success has been achieved in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI CHANDRA SHEKHAR SINGH): (a) and (b) Agreement has been reached with the USSR for intensive and integrated exploration for oil and gas in the North Cambay and Cauvery onshore basins. M|s Technoexport of Moscow is to carry out the work on a turn-key basis as per work programme given below:

	NORTH CAMBAY	CAUVERY
Seismic Survey	3100 LKM	4000 LKM
Drilling		
(a) No. of wells	38	37
(b) Metreage	81,500	1,22,000
Duration	1986—1992	1986—95

70 per cent of the cost of exploration work is expected to be covered by Soviet credit.

(c) Extent of success will be known after considerable work has been done.